AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0087] as published with the following paragraph:

[0087] Therefore, the positive reference input 96 to the A/D converter 110 is a voltage that is inversely proportional to the frequency of operation. The phase voltage signal 96 is proportional to the phase difference between the leading edge of the voltage onset, and the trailing edge of the current onset, as well as inversely proportional to the frequency of operation. In this configuration, the two ~~signals Frequency voltage reference 96 and phase voltage 46~~ signals, frequency voltage reference 96 and phase voltage 46, track each other over the range of frequencies, so that the output of the A/D converter 110 produces the phase independent of the frequency of operation.